



May 29, 2020

The Honorable Chair and Members  
of the Hawai'i Public Utilities Commission  
Kekuanao'a Building, First Floor  
465 South King Street  
Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Hawaiian Electric Energy Cost Recovery Factor for June 2020  
Revised Attachments Reflecting RBA Rate Adjustment

Enclosed for filing are revised Attachments 1, 6A, 6B, 7, and 8 of Hawaiian Electric Company, Inc.'s ("Hawaiian Electric" or "Company") June 2020 Energy Cost Recovery Factor filing, reflecting the impact of the Company's Revenue Balancing Account ("RBA") rate adjustment, as approved by the Commission in Order No. 37150 issued on May 28, 2020.

On May 27, 2020, Hawaiian Electric filed its Energy Cost Recovery Factor for June 2020. Since the filing, the Company received the Commission's decision on the Company's RBA rate adjustment proposal submitted in Transmittal No. 20-01 to be effective June 1, 2020. To reflect the approved RBA adjusted rate, attached are the revised versions of Attachments 1, 6A, 6B, 7, and 8 to incorporate the impact in the customer bill analysis. There is no change to the Energy Cost Recovery Factor as filed May 27, 2020.

A residential customer consuming 500 kWh of electricity will be paying \$142.16, a decrease of \$6.05 compared to rates effective May 1, 2020. The decrease in the typical residential bill is due to decrease in the Energy Cost Recovery Factor (-\$4.30) and decrease in the RBA rate adjustment (-\$1.80), partially offset by the increase in the Purchased Power Adjustment Clause rate (+\$0.05).

For the Commission's convenience, Hawaiian Electric is refileing all of the attachments included in the May 27, 2020 filing. The revised attachments are notated with "Revised 5/29/2020" in the headers; the other attachments are unchanged.

Very truly yours,

/s/ Dean K. Matsuura

Dean K. Matsuura  
Director, Regulatory Rate Proceedings

Attachments  
cc: Division of Consumer Advocacy

**Hawaiian Electric Company, Inc.**  
**ENERGY COST RECOVERY FACTOR**

	Effective Dates		<u>Change</u>
	<u>05/01/20</u>	<u>06/01/20</u>	
Composite Cost Of Major Energy, ¢/mmbtu	1,007.18	830.94	(176.24)
Composite Cost Of Minor Energy, ¢/kwh	13.440	13.451	0.011
Composite Cost Of Purchased Energy, ¢/kWh	8.342	8.448	0.106
 <u>Residential, Schedule "R"</u>			
Energy Cost Recovery, ¢/kWh	11.735	10.875	(0.860)
 <u>Others, Schedules "G,J,DS,P,F"</u>			
Energy Cost Recovery, ¢/kWh	11.735	10.875	(0.860)
 <u>Residential Customer with:</u>			
500 kWh Consumption, \$/bill	148.21	142.16	(6.05)
600 kWh Consumption, \$/bill	176.12	168.84	(7.28)

Supercedes Sheet Effective:

May 1, 2020

Hawaiian Electric Company, Inc.  
ENERGY COST RECOVERY FILING

ENERGY COST RECOVERY (ECR) FILING - June 1, 2020 (page 1 of 2)

Line		
1	Effective Date	- June 1, 2020
2	Supercedes Factor	- May 1, 2020

GENERATION COMPONENT

MAJOR ENERGY COMPONENT				MINOR ENERGY COMPONENT			
				Gen Cost	Percent of	Weighted Gen	
				\$/KWH	Minor Energy	Cost \$/KWH	
FUEL PRICES, \$/mmbtu				Fuel Type			
3	Honolulu	0.00		32a Airport DG	30.67	2.47%	0.7574
4	Kahe	830.94		32b CIP-Biodiesel	0.00	0.00%	0.0000
5	Waiau-Steam	830.94		32c CIP-Diesel	36.18	2.37%	0.8576
6	(Future Use)	0.00		32d SGS - Biodiesel	19.89	47.71%	9.4891
7	(Future Use)	0.00		32e SGS - ULSD	16.73	0.21%	0.0359
8	(Future Use)	0.00		32f Waiau-Diesel	26.33	8.78%	2.3114
9	Other	0		32g West Loch PV	0.00	38.46%	0.0000
				32h COMPOSITE COST OF MINOR ENERGY, \$/kWh			13.451
10	Honolulu	0.00		33 % Input to System kWh Mix			1.99
11	Kahe	72.13					
12	Waiau-Steam	27.87		34 WTD COMP MINOR ENERGY COST, \$/kWh (Lines 32h x 33)			0.26768
13	(Future Use)	0.00					
14	(Future Use)	0.00		35 2017 TY Loss Factor			1.0490
15	(Future Use)	0.00		36 WTD COMP MINOR ENERGY COST, \$/kWh (Line 34 x 35)			0.28080
16	Other	0.00					
				37 BASE MINOR ENERGY COMP COST			0.0000
17	COMPOSITE COST OF GENERATION, MAJOR ENERGY \$/mmbtu	830.94		38 Base % Input to System kWh Mix			0.0000
18	% Input to system kWh Mix	43.38		39 WTD BASE MINOR ENERGY COST, \$/kWh (Line 37 x 38)			0.00000
EFFICIENCY FACTOR, mmbtu/kWh				40 2017 TY Loss Factor			1.0490
(A)	(B)	(C)	(D)	41 WTD COMP MINOR ENERGY COST, \$/kWh (Line 39 x 40)			0.00000
Fuel Type	Eff Factor mmbtu/kWh	Percent of Centrl Stn + Other	Weighted Eff Factor	42 Cost Less Base (Line 36 - 41)			0.280796
19	LSFO	0.011142	100.00	0.011142			1.097514
20	(Future Use)	0.000000	0.00	0.000000			
21	(Future Use)	0.000000	0.00	0.000000			
22	Other	0.011142	0.00	0.000000			
(Lines 19 through 22): Col(B) x Col(C) = Col(D)				43 Revenue Tax Adjustment (1 / (1-0.08885))			
23	Weighted Efficiency Factor, mmbtu/kWh [lines 19(D) + 20(D) + 21(D) + 22(D)]		0.011142	44 MINOR ENERGY FACTOR, \$/kWh (Line 42 x 43)			0.30818
24	WEIGHTED MAJOR ENERGY COST, \$/kWh Sales (lines 17 x 18 x 23)		4.01627				
25	BASE MAJOR ENERGY COST, \$/mmbtu		0.00				
26	Base % Input to System kWh Mix		0.0000				
27	Efficiency Factor, Mbtu/kWh		0.000000				
28	WEIGHTED BASE MAJOR ENERGY COST \$/KWH Sales (lines 25 x 26 x 27)		0.00000				
29	Cost Less Base (Line 24 - 28)		4.01627				
30	Revenue Tax Adjustment (1 / (1-0.08885))		1.097514				
31	MAJOR ENERGY GENERATION FACTOR, \$/KWH (Line 29 x 30)		4.40791				

SUMMARY OF TOTAL GENERATION FACTOR, \$/kWh	
45 MAJOR ENERGY (line 31)	4.40791
46 MINOR ENERGY (line 44)	- 0.30818
47 TOTAL GENERATION FACTOR, \$/KWH (lines 45 + 46)	- 4.71609

Hawaiian Electric Company, Inc.  
ENERGY COST RECOVERY FILING

ENERGY COST RECOVERY (ECR) FILING - June 1, 2020 (page 2 of 2)

Line

1 Effective Date - June 1, 2020  
2 Supercedes Factor - May 1, 2020

Line	PURCHASED ENERGY COMPONENT		
	PURCHASED ENERGY PRICE - FOSSIL - ¢/KWH		
48	PAR Hawaii	- On Peak	7.203
49	PAR Hawaii	- Off Peak	7.569
50	IES Downstream		0.000
51	Kalaeloa		6.361
52	AES-HI		3.379
53			
	PURCHASED ENERGY PRICE - RENEWABLE - ¢/KWH		
54	HRRV	- On Peak	17.95
55		- Off Peak	17.43
56	HRRV	- On Peak (excess)	11.43
57		- Off Peak (excess)	6.86
58	Kawaiioa Wind		22.73
59	Kahuku Wind		21.33
60	Waianae Solar PV		14.50
61	As Available I		22.78
62	FIT		23.75
63	CBRE PV		15.00
64	Kawaiioa PV		12.73
65	Lanikuhana PV		13.05
66	Waipio PV		12.18
67	Unused		0.00
	PURCHASED ENERGY KWH MIX - FOSSIL - %		
68	PAR Hawaii	- On Peak	0.20
69	PAR Hawaii	- Off Peak	0.14
70	IES Downstream		0.02
71	Kalaeloa		31.34
72	AES-HI		37.76
73			
73a	Subtotal Fossil %		69.44
	PURCHASED ENERGY KWH MIX - RENEWABLE - %		
74	HRRV	- On Peak	6.07
75		- Off Peak	2.56
76	HRRV	- On Peak (excess)	0.00
77		- Off Peak (excess)	2.42
78	Kawaiioa Wind		4.05
79	Kahuku Wind		2.42
80	Waianae Solar PV		2.21
81	As Available I		0.69
82	FIT		2.39
83	CBRE PV		0.00
84	Kawaiioa PV		3.46
85	Lanikuhana PV		1.04
86	Waipio PV		3.24
87	Unused		0.00
87a	Subtotal Renewable %		30.56
87b	Total Purchased Energy %		100.00
87c	Composite Cost of Purchased Energy, Fossil		4.74
87d	Composite Cost of Purchased Energy, Renewable		16.87
88	COMPOSITE COST OF PURCHASED ENERGY, ¢/KWH		8.448
89	% Input to System kWh Mix		54.63
90	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 88 x 89)		4.61514
91	2017 TY Loss Factor		1.0490
92	WTD CMP PURCH ENRGY COST, ¢/KWH (lines 90 x 91)		4.84128
93	BASE PURCHASED ENERGY COMPOSITE COST, ¢/KWH		0.000
94	Base % Input to System kWh Mix		0.0000
95	WEIGHTED BASE PURCHASED ENERGY COST, ¢/KWH SALES (lines 93 x 94)		0.00000
96	2017 TY Loss Factor		1.049
97	WTD CMP PURCH ENRGY COST, ¢/KWH sales (lines 95 x 96)		0.00000
98	Cost Less Base (Line 92 - 97)		4.84128
99	Revenue Tax Adjustment (1 / (1-0.08885))		1.097514
100	PURCHASED ENERGY FACTOR, ¢/KWH (lines 98 x 99)		5.31338

Line	Calculation of Monthly Fossil Fuel Cost Risk Sharing Component		
	<b>Baseline LSFO (Actual)</b>		
101	LSFO \$, baseline month		\$43,537,044
102	LSFO mmbtu, baseline		3,600,297
103	Baseline LSFO, ¢/mmbtu		1209.26
	<b>Baseline Diesel (Actual)</b>		
104	Diesel \$, baseline month		\$2,926,612
105	Diesel mmbtu, baseline		195,326
106	Baseline Diesel, ¢/mmbtu		1,498.32
	<b>Month LSFO</b>		
107	LSFO mmbtu, budget		2,638,367
108	LSFO Cost, ¢/mmbtu		830.94
109	LSFO ECRC Fossil Cost		\$21,923,158
110	LSFO Base ECRC Recovery Target		\$31,904,789
111	LSFO differential		-\$9,981,631
	<b>Month Diesel</b>		
112	Diesel mmbtu, budget		30,728
113	Diesel Cost, ¢/mmbtu		1,127.57
114	Diesel ECRC Fossil Cost		\$346,484
115	Diesel Base ECRC Recovery Target		\$460,411
116	Diesel differential		-\$113,927
117	Total Fossil		-\$10,095,558
118	2% of above		-\$201,911
118A	Total Monthly Fossil Fuel Cost Risk Sharing, Prior Months in Year		-\$107,122
118B	Maximum Annual Cap (bi-directional)		\$2,500,000
118C	Applicable Monthly Fossil Fuel Cost Risk Sharing		-\$201,911
118D	Total Monthly Fossil Fuel Cost Risk Sharing, Including This Month		-\$309,033
119	Fossil Cost Risk Sharing before taxes		-\$201,911
120	Revenue Tax Adjustment		1.097514
121	Fossil Cost Risk Sharing w/revenue tax		-\$221,600
122	Forecasted Month MWh Sales		437,605
123	Fossil Fuel Cost Risk Sharing Component, ¢/kWh		0.0506
	<b>Derivation of Non-Adjustable Component:</b>		
80A	Fuel Handling Exp, \$000		\$7,604.5
	Final Settlement, HECO-603, p1		
80B	Revenue Tax Adjustment		1.097514
80C	Non-Adj Revenues, \$000		\$8,346.0
80D	2017 TY Sales, MWh		6,660,200
	HECO-301, p1		
80E	Non-Adj Revenues, ¢/kWh		0.12531
	<b>Line SYSTEM COMPOSITE</b>		
124	GEN AND PURCHASED ENERGY FACTOR, ¢/kWh (lines 47 + 100)		10.0295
125	(Future Use) Adjustment, ¢/kWh		0.0000
126	ECR Reconciliation Adjustment		0.6700
127	Non-Adjustable Component (line 80E)		0.1253
128	Fossil Fuel Cost Risk Sharing Component (line 123)		0.0506
129	Monthly Energy Cost Recovery Factor (lines 124 + 125 + 126 + 127 + 128)		10.875

**Hawaiian Electric Company, Inc.**  
**FUEL OIL INVENTORY PRICES FOR June 1, 2020**

	Honolulu	Kahe	Waiau
Average Low Sulfur Fuel Oil, ¢/Mbtu	829.64	829.64	829.64
Fuel Additive, ¢/Mbtu	-	1.30	1.30
Honolulu Trucking Cost, ¢/Mbtu	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, ¢/Mbtu	829.64	830.94	830.94

	Waiau	CIP Biodiesel	CIP Diesel
Average Diesel / Biodiesel Oil, ¢/Mbtu	1,132.54	-	1,094.62
Thruput Charges, ¢/Mbtu	-	-	0
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	1,132.54	-	1,094.62

	SGS ULSD	SGS Biodiesel
Average Diesel / Biodiesel Oil, ¢/Mbtu	2,000.71	2,366.21
Thruput Charges, ¢/Mbtu	-	-
Diesel / Biodiesel Oil Prices Used for Filing, ¢/Mbtu	2,000.71	2,366.21

	Honolulu	Kahe	Waiau
Average Low Sulfur Fuel Oil, \$/bbl	51.10	51.10	51.10
Fuel Additive, \$/bbl	-	0.08	0.08
Honolulu Trucking Cost, \$/bbl	-	-	-
Low Sulfur Fuel Oil Prices Used For Filing, \$/bbl	51.10	51.18	51.18

	Waiau	CIP Biodiesel	CIP Diesel
Average Diesel / Biodiesel Oil, \$/bbl	65.49	-	62.43
Thruput Charges, ¢/Mbtu	-	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	65.49	-	62.43

	SGS ULSD	SGS Biodiesel
Average Diesel / Biodiesel Oil, \$/bbl	115.96	124.81
Thruput Charges, ¢/Mbtu	-	-
Diesel / Biodiesel Oil Prices Used for Filing, \$/bbl	115.96	124.81

Distributed Generation Fuel Prices Used for Filing, ¢/kWh	30.670
---	--------

**FOAC June 2020**

<b><u>LSFO</u></b>	<b>BARRELS</b>	<b>MBTU</b>	<b>AMOUNT</b>	<b>AVE \$/MBTU</b>
Per FOAC run	659,794	4,063,953	33,716,040	8.296366
Additional	-	-	-	-
Forecast Amt	659,794	4,063,953	33,716,040	8.296366
	-	6.20	-	ADD'L BBL
	4,063,953	659,794	6.1594	MBTU / BBL
	33,716,040	659,794	51.10	DOLLARS / BBL
<b><u>WAI AU DIESEL</u></b>	13,651	78,933	893,948	11.325435
	893,948	13,651	65.49	DOLLARS / BBL
<b><u>CIP BIODIESEL</u></b>	-	-	-	-
	-	-	-	DOLLARS / BBL
<b><u>CIP DIESEL</u></b>	42,330	241,424	2,642,680	10.946216
	2,642,680	42,330	62.43	DOLLARS / BBL
<b><u>SGS ULSD</u></b>	426	2,469	49,400	20.007140
	49,399.63	426	115.96	DOLLARS / BBL
<b><u>SGS BIODIESEL</u></b>	6,233	32,878	777,952	23.66207724
	777,952	6,233	124.81	DOLLARS / BBL
<b>FUEL ADDITIVE</b>				0.013019
Additional				
Forecast Amt	-	-	-	0.013019
\$ / BBL =	-	-	0.08	DOLLARS / BBL
<b>HONOLULU TRUCKING COST</b>				
Per FOAC run	-	-	-	-
Additional				
Forecast Amt	-	-	-	-
\$ / BBL =	-	-	-	DOLLARS / BBL

**Hawaiian Electric Company, Inc.**

**CONTRACT PRICES EFFECTIVE 5-1-20**

<u>TYPE OF OIL BURNED</u>	<u>\$/BBL</u>	<u>¢/MBTU</u>
<b>LOW SULFUR FUEL OIL</b>		
Tax *	2.4402	39.36
Ocean Transportation	0.0000	0.00
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00
<b>DIESEL</b>		
Tax *	3.2708	55.83
Ocean Transportation	0.0000	0.00
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00
<b>ULTRA LOW SULFUR DIESEL</b>		
Tax *	3.4343	59.93
Ocean Transportation	0.0000	0.00
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00
<b>BIODIESEL</b>		
Tax *	5.4600	104.04
Ocean Transportation	0.0000	0.00
Land Transportation	0.0000	0.00
Storage	0.0000	0.00
Wharfage	0.0000	0.00

\* Tax includes HGET, Hawaii Use Tax, Liquid Fuel Tax, LUST, Federal Oil Spill Recovery Fee, and Environmental Response, Energy and FS Tax.

Note: Since these components are not accounted for separately in inventory, contract prices for the current month are being provided. Contract prices are considered accurate pending actual delivery of the fuel.

HAWAIIAN ELECTRIC COMPANY, INC.  
 DETERMINATION OF DISTRIBUTED GENERATION EXPENSE

<u>Line No.</u>		<u>Airport DG Biodiesel</u>	<u>Schofield Biodiesel</u>	<u>Schofield ULSD</u>			
(A)	\$	30.04	\$	23.66	\$	20.01	Estimated Distributed Generation Fuel Cost (\$/MBTU)
(B)		2726		43,363		194	Estimated MBTU Consumption
(B1)		519		8,263		34	Estimated fuel consumption barrels
(C) = (A) x (B)		\$81,876		\$1,026,068		\$3,880	Estimated Distributed Generation Fuel Cost (\$)
(D)		266,978		5,157,790		23,187	Estimated Distributed Generation kWh
(E) = ((C) ÷ (D)) x 100		<u>30.670</u>		<u>19.890</u>		<u>16.730</u>	¢/kWh



**Hawaiian Electric Company, Inc.**  
**ECA RECONCILIATION ADJUSTMENT**  
**June 2020**

1.	Amount to be collected	\$	8,014,600
2.	Monthly Amount (Line 1 x 1/3)	\$	2,671,533
3.	Revenue Tax Divisor		0.91115
4.	Total (Line 2 / Line 3)	\$	2,932,046
5.	Estimated MWh Sales (June 2020)		437,605
6.	ECA Reconciliation Adjustment, ¢/kWh (Line 4 ÷ Line 5)		<u><u>0.670</u></u>

**HAWAIIAN ELECTRIC COMPANY, INC.**  
**2020 Cumulative Reconciliation Balance**

<u>Month</u>	(1) <u>YTD FOA Reconciliation</u>	<u>Qtr</u>	(2) <u>FOA Rec Adjust Variance</u>	(3) <u>FOA Rec Less Variance</u>	(4) <u>Try to Collect</u>	(5) <u>Actual Collect</u>	(6) <u>Month-end Cumulative Balance</u>
November '19	(6,720,985)	(3)	294,091	(7,015,076)	2,240,328	2,353,575	(4,284,761)
December					2,240,328	2,361,239	(1,923,522)
January '20					2,240,328	2,306,195	382,673
February	(13,170,400)	(4)	316,801	(13,487,201)	4,390,133	4,094,101	(9,010,426)
March					4,390,133	4,306,396	(4,704,030)
April					4,390,133	3,741,603	(962,427)
May	(8,014,600)	(1)	(313,903)	(7,700,697)	2,671,533		
June					2,671,533		

**NOTES:**

- Col(1): Quarterly FOA reconciliation amounts. (Refer to Attachment 4)  
A positive number is an over-collection. A negative number is an under-collection.
- Col(2): FOA reconciliation adjustment variance accumulated during the last three months, starting with the fourth prior month; the difference between the estimated recorded sales used to derive the \$/kwh adjustment and the actual recorded sales.  
(Col(5)-Col(4))
- Col(3): FOA reconciliation generated in the current quarter. The YTD FOA reconciliation difference minus the adjustment variance. Col(1)-Col(2)
- Col(4): Amount that the FOA reconciliation adjustment is trying to collect. (Col(1) \* 1/3)
- Col(5): Actual collected amount. (recorded sales \* \$/kwh adjustment/1.09751)
- Col(6): Cumulative balance of the FOA reconciliation (Previous balance + Col(3) + Col(5))

**Hawaiian Electric Company, Inc.**  
**ENERGY COST RECOVERY FACTOR DATA**

<u>EFFECTIVE DATE</u>	ENERGY COST FACTOR CENTS / KWH <u>RESIDENTIAL &amp; COMMERCIAL</u>	RESIDENTIAL BILL (\$)	
		<u>@ 500 KWH</u>	<u>@ 600 KWH</u>
January 1, 2018	-1.145	144.26	171.84
February 1, 2018	-0.261	150.24	179.01
March 1, 2018	-0.389	152.06	181.14
April 1, 2018	-0.483	152.06	181.14
May 1, 2018	0.923	149.05	177.53
June 1, 2018	1.529	154.86	184.50
July 1, 2018	1.204	158.27	188.61
August 1, 2018	0.802	158.79	189.22
September 1, 2018	4.201	169.09	201.16
October 1, 2018	4.008	168.13	200.01
November 1, 2018	5.151	167.62	199.40
December 1, 2018	5.553	169.64	201.82
January 1, 2019	14.095	161.36	191.85
February 1, 2019	12.044	147.31	175.01
March 1, 2019	13.449	154.51	183.63
April 1, 2019	14.338	158.42	188.34
May 1, 2019	14.721	163.56	194.50
June 1, 2019	15.199	163.47	194.39
July 1, 2019	14.545	160.95	191.42
August 1, 2019	14.297	160.45	190.82
September 1, 2019	13.240	155.11	184.42
October 1, 2019	12.951	153.64	182.65
November 1, 2019	12.778	150.18	178.51
December 1, 2019	12.409	148.41	176.37
January 1, 2020	13.629	155.97	185.42
February 1, 2020	14.648	161.90	192.54
March 1, 2020	14.349	160.64	191.02
April 1, 2020	13.071	153.83	182.86
May 1, 2020	11.735	148.21	176.12
June 1, 2020	10.875	142.16	168.84

Hawaiian Electric Company, Inc.  
RESIDENTIAL SURCHARGE DATA

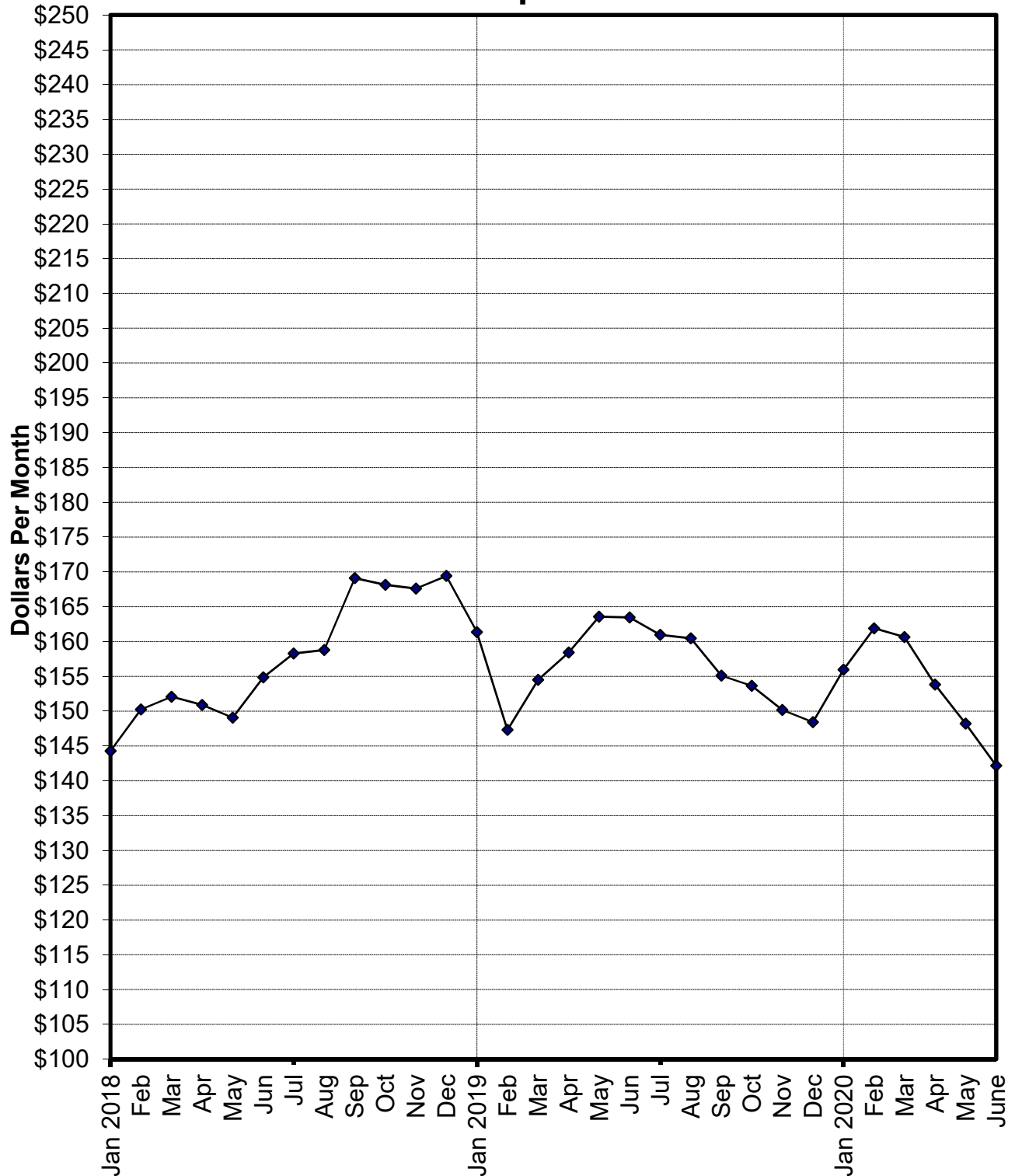
ATTACHMENT 6B  
Revised 5/29/2020

EFFECTIVE DATE	DESCRIPTION OF SURCHARGE	RATE
5/15/2016 - 2/29/2020	RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION	0.0000 CENTS/KWH
1/1/2018 - 1/31/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.1422 CENTS/KWH
1/1/2018 - 6/30/2018	GREEN INFRASTRUCTURE FEE	1.3400 DOLLARS/MONTH
2/1/2018 - 2/28/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.4536 CENTS/KWH
2/16/2018 - 04/12/018	INTERIM RATE INCREASE 2017 TEST YEAR	8.8700 PERCENT ON BASE
2/16/2018 - 5/31/2018	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.7116 CENTS/KWH
2/16/2018 - 3/31/2018	RESIDENTIAL DSM ADJUSTMENT	0.0000 CENTS/KWH
3/1/2018 - 3/31/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.4266 CENTS/KWH
4/1/2018 - 4/30/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.4413 CENTS/KWH
4/1/2018 - 4/30/2018	SOLAR SAVER ADJUSTMENT	-0.1063 CENTS/KWH
4/1/2018 - 7/31/2018	RESIDENTIAL DSM ADJUSTMENT	-0.0513 CENTS/KWH
4/13/2018 - 8/31/2018	INTERIM RATE INCREASE 2017 TEST YEAR	5.8900 PERCENT ON BASE
5/1/2018 - 3/31/19	SOLAR SAVER ADJUSTMENT	0.0000 CENTS/KWH
5/1/2018 - 5/31/2018	PURCHASED POWER ADJUSTMENT CLAUSE	2.2718 CENTS/KWH
6/1/2018 - 6/30/2018	PURCHASED POWER ADJUSTMENT CLAUSE	2.5042 CENTS/KWH
6/1/2018 - 5/31/2019	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	1.0350 CENTS/KWH
7/1/2018 - 12/31/2018	GREEN INFRASTRUCTURE FEE	1.2100 DOLLARS/MONTH
7/1/2018 - 6/30/2019	RESID. PBF SURCHARGE ADJUSTMENT	0.4658 CENTS/KWH
7/1/2018 - 7/31/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.4959 CENTS/KWH
8/1/2018 - 8/31/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.9557 CENTS/KWH
8/1/2018 - 10/31/2018	RESIDENTIAL DSM ADJUSTMENT	-0.0064 CENTS/KWH
9/1/2018 - 9/30/2018	PURCHASED POWER ADJUSTMENT CLAUSE	4.3234 CENTS/KWH
<b>9/1/2018</b>	<b>INTERIM RATE INCREASE 2017 TEST YEAR</b>	<b>0.0000 PERCENT ON BASE</b>
<b>9/1/2018</b>	<b>FINAL RATE INCREASE (TY2017) -0.039% EFFECTIVE 09/01/18, DOCKET NO. 2016-0328</b>	
10/1/2018 - 10/31/2018	PURCHASED POWER ADJUSTMENT CLAUSE	4.3252 CENTS/KWH
11/1/2018 - 11/1/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.0539 CENTS/KWH
11/1/2018 - 1/31/2019	RESIDENTIAL DSM ADJUSTMENT	0.0203 CENTS/KWH
12/1/2018 - 12/31/2018	PURCHASED POWER ADJUSTMENT CLAUSE	3.0553 CENTS/KWH
1/1/2019 - 1/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	3.0574 CENTS/KWH
1/1/2019 - 6/30/2019	GREEN INFRASTRUCTURE FEE	1.3500 DOLLARS/MONTH
2/1/2019 - 4/30/2019	RESIDENTIAL DSM ADJUSTMENT	0.0000 CENTS/KWH
2/1/2019 - 2/28/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.3209 CENTS/KWH
3/1/2019 - 3/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.3532 CENTS/KWH
4/1/2019 - 4/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.3341 CENTS/KWH
4/1/2019 - 4/30/2019	SOLAR SAVER ADJUSTMENT	-0.0857 CENTS/KWH
5/1/2019 - 5/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.8780 CENTS/KWH
5/1/2019 - 3/31/2020	SOLAR SAVER ADJUSTMENT	0.0000 CENTS/KWH
5/1/2019 - 7/31/2019	RESIDENTIAL DSM ADJUSTMENT	0.0133 CENTS/KWH
6/1/2019 - 6/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.4806 CENTS/KWH
6/1/2019-5/31/2020	REVENUE BALANCING ACCOUNT RATE ADJUSTMENT	0.9376 CENTS/KWH
7/1/2019 - 7/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.6543 CENTS/KWH
<b>7/1/2019</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.17 DOLLARS/MONTH</b>
7/1/2019 - 12/31/2019	RESID. PBF SURCHARGE ADJUSTMENT	0.4658 CENTS/KWH
8/1/2019 - 8/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.8165 CENTS/KWH
8/1/2019 - 1/31/2020	RESIDENTIAL DSM ADJUSTMENT	0.0000 CENTS/KWH
9/1/2019 - 9/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.8061 CENTS/KWH
10/1/2019-10/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.8008 CENTS/KWH
11/1/2019 - 11/30/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.2849 CENTS/KWH
11/1/2019 - 1/31/2020	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	0.0000 CENTS/KWH
12/1/2019 - 12/31/2019	PURCHASED POWER ADJUSTMENT CLAUSE	2.2980 CENTS/KWH
1/1/2020 - 1/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	0.0000 CENTS/KWH
<b>1/1/2020</b>	<b>RESID. PBF SURCHARGE ADJUSTMENT</b>	<b>0.7437 CENTS/KWH</b>
<b>1/1/2020</b>	<b>GREEN INFRASTRUCTURE FEE</b>	<b>1.25 DOLLARS/MONTH</b>
2/1/2020-4/30/2020	RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)	-0.0116 CENTS/KWH
2/1/2020-4/30/2020	RESIDENTIAL DSM ADJUSTMENT	0.0651 CENTS/KWH
2/1/2020 - 2/29/2020	PURCHASED POWER ADJUSTMENT CLAUSE	2.4197 CENTS/KWH
3/1/2020 - 3/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	2.4281 CENTS/KWH
<b>3/1/2020</b>	<b>RENEWABLE ENERGY INFRASTRUCTURE COST RECOVERY PROVISION</b>	<b>0.0384 CENTS/KWH</b>
4/1/2020 - 4/30/2020	PURCHASED POWER ADJUSTMENT CLAUSE	2.4087 CENTS/KWH
4/1/2020 - 4/30/2020	SOLAR SAVER ADJUSTMENT	0.0000 CENTS/KWH
<b>5/1/2020</b>	<b>SOLAR SAVER ADJUSTMENT</b>	<b>0.0000 CENTS/KWH</b>
5/1/2020-5/31/2020	PURCHASED POWER ADJUSTMENT CLAUSE	2.6029 CENTS/KWH
<b>5/1/2020</b>	<b>RESIDENTIAL DEMAND RESPONSE ADJUSTMENT CLAUSE (DRAC)</b>	<b>0.0096 CENTS/KWH</b>
<b>5/1/2020</b>	<b>RESIDENTIAL DSM ADJUSTMENT</b>	<b>-0.0011 CENTS/KWH</b>
<b>6/1/2020</b>	<b>PURCHASED POWER ADJUSTMENT CLAUSE</b>	<b>2.6114 CENTS/KWH</b>
<b>6/1/2020</b>	<b>REVENUE BALANCING ACCOUNT RATE ADJUSTMENT</b>	<b>0.5773 CENTS/KWH</b>

~ Surcharges currently in effect are in bold.

~ Base charges include customer charge, demand charge, energy charge, power factor adjustment, voltage discount and minimum charge.

## Hawaiian Electric Company, Inc. Residential Bill at 500 KWH/Month Consumption



Hawaiian Electric Company, Inc.  
CALCULATIONS OF THE AVERAGE RESIDENTIAL CUSTOMER BILL

	Rate		Charge (\$) at 500 kWh			
	5/1/2020	6/1/2020	5/1/2020	6/1/2020	Difference	
<b>Base Rates</b>	effective date:	01/01/19	01/01/19			
Base Fuel/Energy Charge	¢/kWh	-	-	0.00	0.00	0.00
Non-fuel Fuel Energy Charge						
First 350 kWhr per month	¢/kWh	10.6812	10.6812	37.38	37.38	0.00
Next 850 kWhr per month	¢/kWh	11.8347	11.8347	17.75	17.75	0.00
Customer Charge	\$	11.50	11.50	11.50	11.50	0.00
<b>Total Base Charges</b>			66.63	66.63	0.00	
<b>Purchase Power Adjustment</b>	¢/kWh	2.6029	2.6114	13.01	13.06	0.05
<b>RBA Rate Adjustment</b>	¢/kWh	0.9376	0.5773	4.69	2.89	-1.80
<b>DSM Adjustment</b>	¢/kWh	-0.0011	-0.0011	-0.01	-0.01	0.00
<b>Demand Response Adjustment Clause</b>	¢/kWh	0.0096	0.0096	0.05	0.05	0.00
<b>Interim Rate Increase (TY 2017)</b>	% on base	0.000%	0.000%	0.00	0.00	0.00
<b>Refund of 2011 Interim</b>	% on base	0.000%	0.000%	0.00	0.00	0.00
<b>PBF Surcharge</b>	¢/kWh	0.7437	0.7437	3.72	3.72	0.00
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0384	0.0384	0.19	0.19	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Energy Cost Recovery</b>	¢/kWh	11.735	10.875	58.68	54.38	-4.30
<b>Green Infrastructure Fee</b>	\$	1.25	1.25	1.25	1.25	0.00
<b>Avg Residential Bill at 500 kWh</b>			148.21	142.16		

Increase / (Decrease -)      -6.05  
% Change                              -4.08%

	Rate		Charge (\$) at 600 kWh			
	5/1/2020	6/1/2020	5/1/2020	6/1/2020	Difference	
<b>Base Rates</b>	effective date:	01/01/19	01/01/19			
Base Fuel/Energy Charge	¢/kWh	-	-	0.00	0.00	0.00
Non-fuel Fuel Energy Charge						
First 350 kWhr per month	¢/kWh	10.6812	10.6812	37.38	37.38	0.00
Next 850 kWhr per month	¢/kWh	11.8347	11.8347	29.59	29.59	0.00
Customer Charge	\$	11.50	11.50	11.50	11.50	0.00
<b>Total Base Charges</b>			78.47	78.47	0.00	
<b>Purchase Power Adjustment</b>	¢/kWh	2.6029	2.6114	15.62	15.67	0.05
<b>RBA Rate Adjustment</b>	¢/kWh	0.9376	0.5773	5.63	3.46	-2.17
<b>DSM Adjustment</b>	¢/kWh	-0.0011	-0.0011	-0.01	-0.01	0.00
<b>Demand Response Adjustment Clause</b>	¢/kWh	0.0096	0.0096	0.06	0.06	0.00
<b>Interim Rate Increase (TY 2017)</b>	% on base	0.000%	0.000%	0.00	0.00	0.00
<b>Refund of 2011 Interim</b>	% on base	0.000%	0.000%	0.00	0.00	0.00
<b>PBF Surcharge</b>	¢/kWh	0.7437	0.7437	4.46	4.46	0.00
<b>Renewable Energy Infrastructure Cost Recovery Provision</b>	¢/kWh	0.0384	0.0384	0.23	0.23	0.00
<b>SolarSaver Adjustment</b>	¢/kWh	0.0000	0.0000	0.00	0.00	0.00
<b>Energy Cost Recovery</b>	¢/kWh	11.735	10.875	70.41	65.25	-5.16
<b>Green Infrastructure Fee</b>	\$	1.25	1.25	1.25	1.25	0.00
<b>Avg Residential Bill at 600 kWh</b>			176.12	168.84		

Increase / (Decrease -)      -7.28  
% Change                              -4.13%

---

**From:** puc@hawaii.gov  
**Sent:** Friday, May 29, 2020 10:00 AM  
**To:** Oya, Tyler  
**Subject:** Hawaii PUC eFiling Confirmation of Filing

**[This email is coming from an EXTERNAL source. Please use caution when opening attachments or links in suspicious email.]**

Your eFile document has been filed with the Hawaii Public Utilities commission on 2020 May 29 AM 09:55. The mere fact of filing shall not waive any failure to comply with Hawaii Administrative Rules Chapter 6-61, Rules of Practice and Procedure Before the Public Utilities Commission, or any other application requirements. Your confirmation number is TYLE20095538088. If you have received this email in error please notify the Hawaii Public Utilities Commission by phone at 808 586-2020 or email at hawaii.puc@hawaii.gov.